GENERAL RADIO COMPANY
service department

TESTING SPECIFICATIONS August 1959

Type 1262-A Power Supply

22 Baker Avenue
West Concord, Mass.

Test Equipment:

1 - Type 1262-A Lab Test Jig (See Figure 1, Page 2)
1 - Type 1800-B Vacuum Tube Voltmeter or equivalent
1 - Wattmeter-Voltmeter-Variac Unit
1 - Type 736-A Wave Analyzer or equivalent
1 - Type 1551-A Sound Level Meter or equivalent
1 - Lab Dummy Microphone (a shielded 2200 μμf in series with input)

1.0 Voltage Measurements

1.1 Plug the Type 1262-A into the Lab Test Jig. Set the LOAD switches to ON. Connect the Type 1262-A to the 115 volt 60~ line by means of the wattmeter-voltmeter-Variac unit. Keep the line at 115 volts. Throw the Type 1262-A switch to ON and let the instrument warm up. Check that the input power is about 2 watts.

Check the filament and plate voltages at the jig terminals by means of the type 1800-B, Vacuum Tube Voltmeter (set on DC) as follows:

	LOAD ON	LOAD OFF
FlL #1	1.27 ± 0.5 volts	2.50 ± 0.3 volts
FlL #2	1.30 ± 0.5 volts	2.50 ± 0.3 volts
PL	62 ± 2.0 volts	73 ± 3.0 volts

1.2 Connect the Type 736-A Wave Analyzer to the Lab Test Jig in place of the Type 1800-B. Throw both LOAD switches to ON.

Set up the Type 736-A as a voltmeter and check the 60 and 120 cycle hum as follows:

	60 ~	120 ~
FlL #1	50 μv	50 μv
FlL #2	50 μv	50 μv
PL	100 μv	100 μv

If 60~ hum is high, try reversing the line connection. Check the Type

736-A for excessive hum by shorting its INPUT terminals and tuning to 60 and 120 cycles.

2.0 Operation with Type 1551-A

2.1 Disconnect the Lab Jig. Mount the Type 1262-A onto the Type 1551-A cabinet and plug the Type 1262-A cable into the Type 1551-A Socket. Remove the microphone from the Type 1551-A and replace it with the Lab Dummy Microphone. Short the end of the cable.

Set the microphone post down (off position) so that the Type 1551-A batteries are disconnected. Throw the Type 1262-A switch ON.

Turn the Type 1551-A METER switch to FIL and PL and check that the meter reads 7.6 ± 0.3 db at FIL and 8.7 ± 0.3 db at PL.

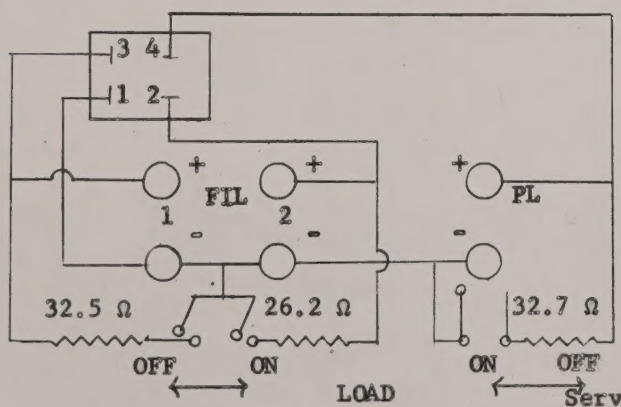
2.2 Set the WEIGHTING switch to 20 kc and attenuator to 30 db. Check that the noise level is below 28 db.

If the noise level is high, try reversing the power cord connections and check for pick-up from nearby instruments.

2.3 Plug the Type 1551-A calibration cord directly into the power line and the Type 1551-A calibration socket. Set the Type 1262-A input to 105 line volts and note the Type 1551-A meter reading. Change the line voltage to 125 and note this reading. Allow time for the readings to settle down.

The meter shift must be less than 1.4 db.

Figure 1: Test Jig for Type 1262-A



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